

FIG. 1

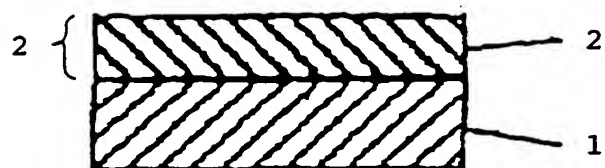


FIG. 2

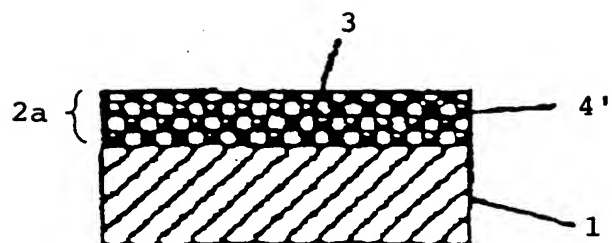


FIG. 3

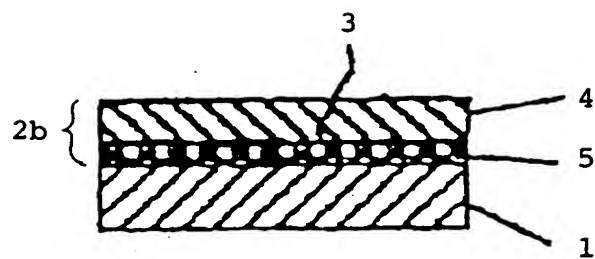


FIG. 4

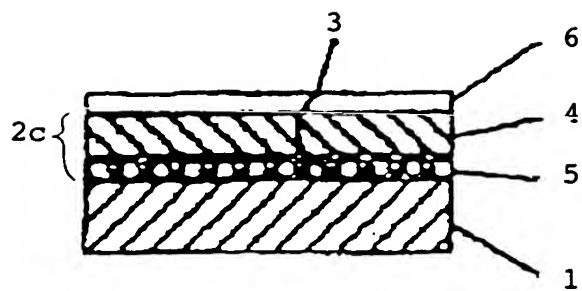


FIG. 5

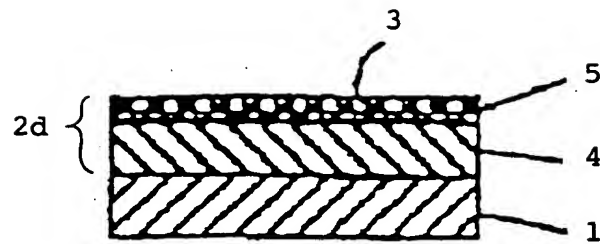
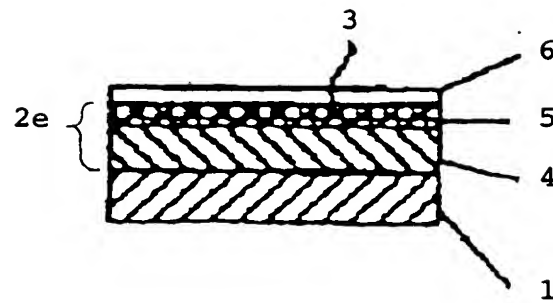


FIG. 6



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The infrared spectrum of polyacetylene is shown, with the wavenumber axis (cm⁻¹) on the x-axis ranging from 4000 to 600. The y-axis represents transmittance, with labels 1.8, 87.7, and 100. The spectrum features a sharp peak at approximately 3300 cm⁻¹ (labeled 87.7), a very strong and broad absorption band between 2100 and 2260 cm⁻¹ (labeled 1.8), and a complex series of peaks in the fingerprint region below 1500 cm⁻¹, including prominent peaks at approximately 1450, 1380, 1260, 1100, and 850 cm⁻¹.

FIG. 7

FIG. 9

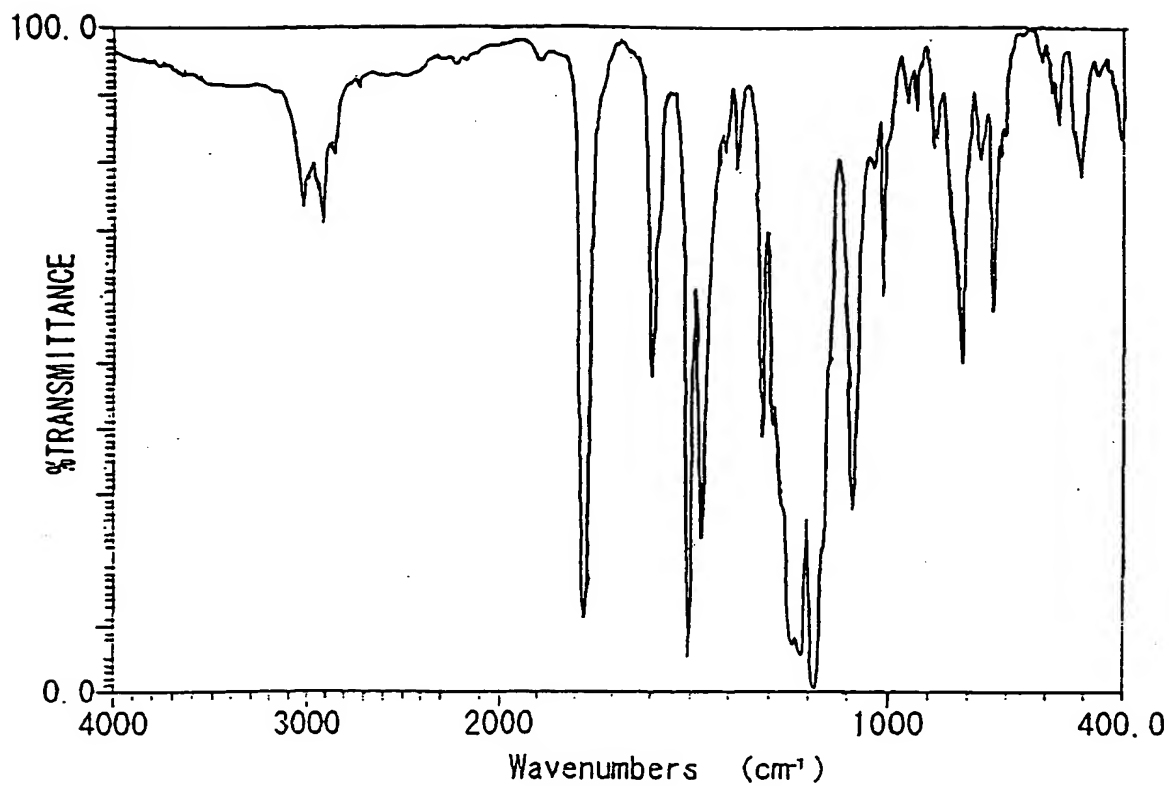


FIG. 10

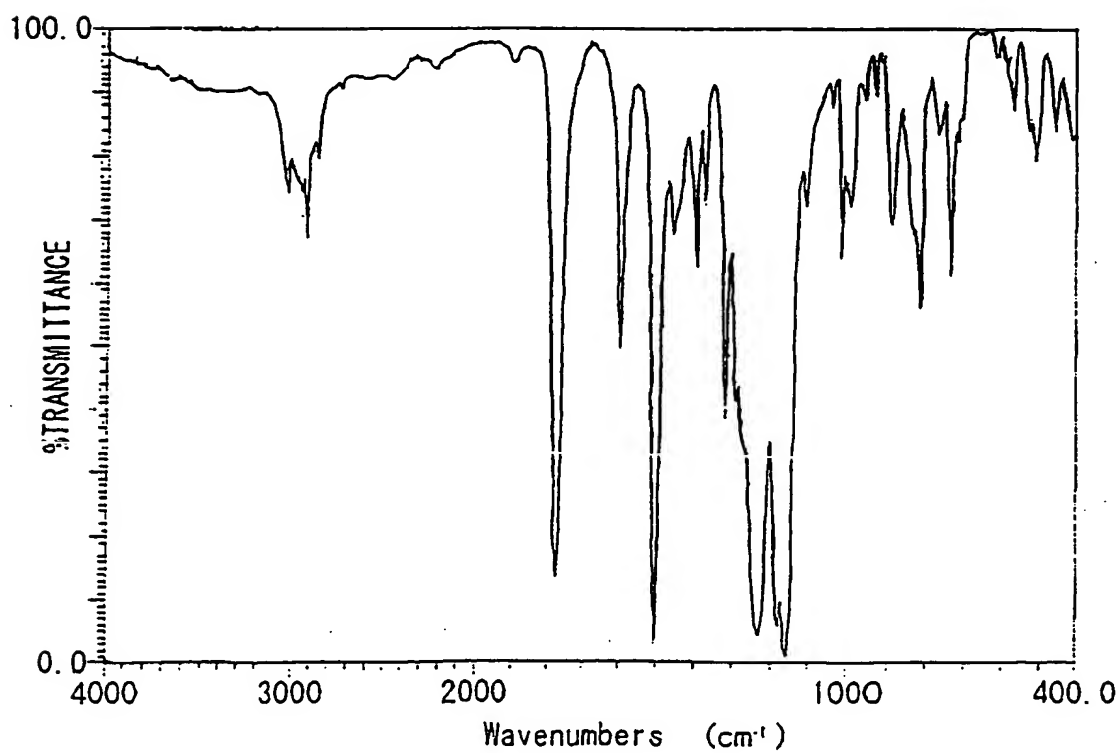


FIG. 11

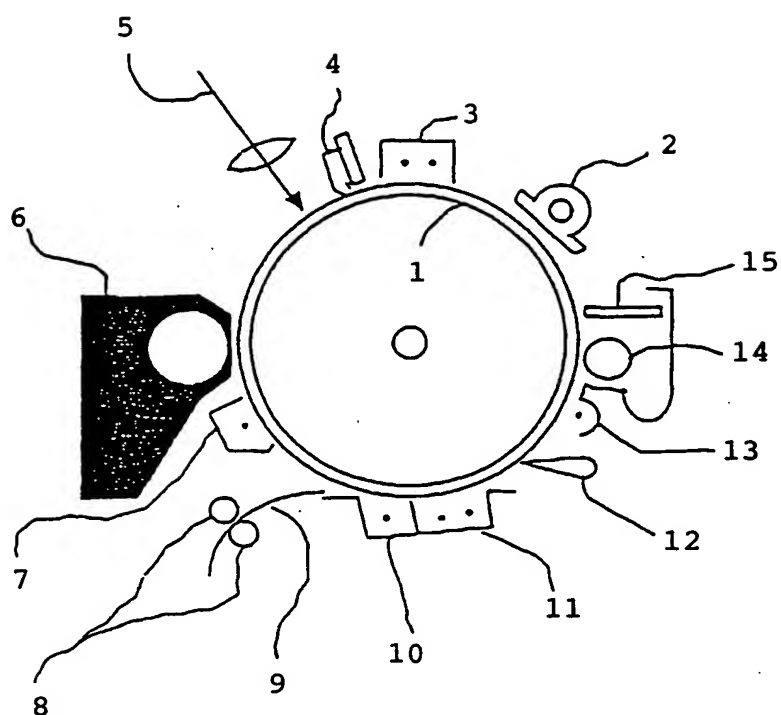


FIG. 12

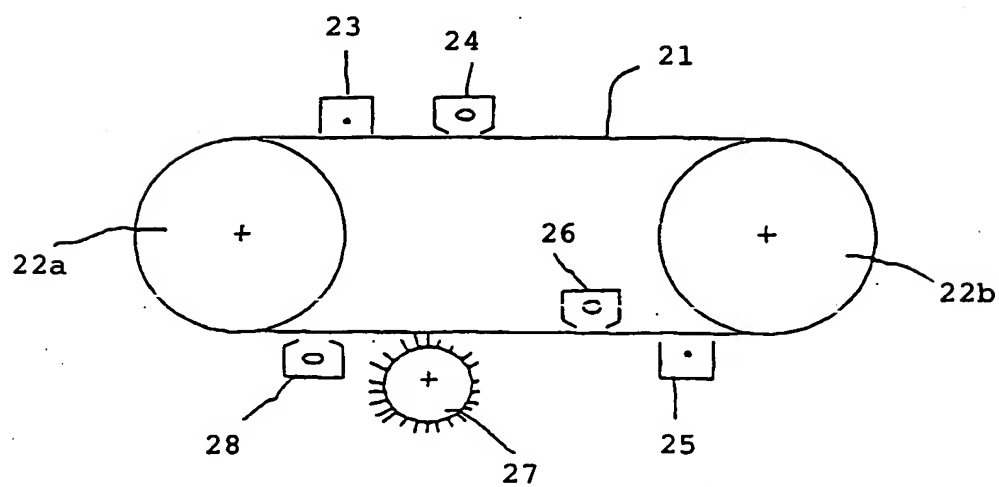


FIG. 13

